Under the Paperwork Reduction Act of 1995, no persons are requ	uired to rea	U.S. Pa	atent and	d Tradema	rk Office; I	through 04/30/2003 U.S. DEPARTMEN	T OF COMMERCE
Under the Paperwork Neduction Act of 1990, No persons are requ	Attorney Docket No.			27427.			IVIB CONTO HUMber
UTILITY	First In	First Inventor Yong-Kun					
PATENT APPLICATION						-	
TRANSMITTAL	Title	COLO	R CA	THODE	RAY T	UBE	55
(Only for new nonprovisional applications under 37 CFR 1.53(b))	Express Mail Label No.			<u> </u>			
ADDI ICATION EL EMENTO				MS	Patent /	Application	
APPLICATION ELEMENTS See MPEP chapter 600 concerning utility patent application cor	ntents.	ADDR	ESS	70. P.C	D. Box 14		510 0/73
1. X Fee Transmittal Form (e.g., PTO/SB/17)		7.	CD-RC			VA 22313-1450 ate, large table or	2
(Submit an original, and a duplicate for fee processing)	Computer Program (Appendix)				on.		
2. See 37 CFR 1.27.			<u>pplicabl</u>	e, all neces	ssary)	•	
3. X Specification [Total Pages 30])]]	a	Com	puter Read	dable Form	n (CRF)	
(preferred arrangement set forth below) - Descriptive title of the invention		b. S	pecifica	tion Seque □		-	
 Cross Reference to Related Applications Statement Regarding Fed sponsored R & D 		_	i.	CD-RON	/ or CD-R	(2 copies); or	ii. Paper
 Reference to sequence listing, a table, or a computer program listing appendix 		С.				tity of above copies	
 Background of the Invention Brief Summary of the Invention 						PLICATIONS PA	
 Brief Description of the Drawings (if filed) Detailed Description 		9. X	!	•	,	sheet & document(s))
- Claim(s) - Abstract of the Disclosure		10.		R 3.73(b) S there is an		Powe	
	3] l	11.	1			ent (if applicable)	,
5. Oath or Declaration [Total Sheets 2	2] 12. Information Disclosure Copies of IDS Statement (IDS)/PTO-1449 Citations				IDS		
a. X Newly executed (original or copy)		13.	1	nary Amen		Granons	
b. Copy from a prior application (37 CFR 1.63(d)) (for continuation/divisional with Box 18 completed)	14. Return Receipt Postcard (MPEP 503) (Should be specifically itemized)						
i DELETION OF INVENTOR(S)			15. X Certified Copy of Priority Document(s) (if foreign priority is claimed)				
Signed statement attached deleting inventor(s) named in the prior application,			16. Nonpublication Request under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent.				
see 37 CFR 1.63(d)(2) and 1.33(b).		17. X	Other:		for \$1,44		quivalent.
6. Application Data Sheet. See 37 CFR 1.76				Claim for Docum		y and Submission	n of
18. If a CONTINUING APPLICATION, check appropriate box, following the title, or in an Application Data Sheet under 37 CFF		y the requis	site infor	mation bel	ow and in	the first sentence of	of the specification
Continuation Divisional Continuation		OP) of pr	ior appli	cation No.:	:		
Prior application information: Examiner			_	Art Unit.			
For CONTINUATION or DIVISIONAL APPS only: The entire cunder Box 5b, is considered a part of the disclosure of the accoreference. The incorporation can only be relied upon when a possible to the control of the control	mpanying	g continuati	ion or di	visional ap	plication a	and is hereby incor	porated by
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MCKENNA LONG & ALDRIDG Song K. Jung	E LLP						
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City Washington Sta	te	DC Zip Code 200			20006		
Country US Tel	ephone	(202) 4	96-75	00	Fa	× (202) 496	-7756
Name (Print/Type) Rebecca Goldman, Rudio	ch	Regi	stration	No. (Attorn	ey/Agent)	41,786	
Signature State Land	Xacki	Ldia			Date	December 8	, 2003



PATENT TRADEMARK OFFICE

SUBMITTED BY

Signature

Name (Print/Type) Rebecca Goldman Rudich

Complete (if applicable)

Telephone

Date

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December 8, 2003

PTO/SB/17 (05-03)
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FEE TRA	ANSMITTAL	_
for I	FY 2003	

Effective 01/01/2003, Patent fees are subject to annual revision.

Applicant claims small entity status. See 37 CFR 1.27

Complete if Known				
Application Number	TBA			
Filing Date	December 8, 2003			
First Named Inventor	Yong-Kun KIM			
Examiner Name	TBA			
Art Unit	TBA			
Attorney Docket No.	27427 004 00-US			

TOTAL AMOUNT OF PAYMENT (\$) 1,442.00	Attorney Docket No. 27427.004.00-05						
METHOD OF PAYMENT (check all that apply)		FEE CALCULATION (continued)					
X Check Credit Money Other None	3. /	ADDITIO	ONAL	FEES			
Deposit Account			_				
Deposit		Large Entity Small Entity Fee Fee Fee Fee					
Account Number 50-0911	Code		Code	(\$)		Fee Description	Fee Paid
Deposit Account McKenna Long & Aldridge LLP	1051	130	2051	65	Surcharge	- late filing fee or oath	
Name	1052	50	2052	25		- late provisional filing fee or cover	
The Director is hereby authorized to: (check all that apply)					sheet.		
Charge fee(s) indicated below X Credit any overpayments	1053	130	1053	130	Non-Engli	sh specification	-
Charge any additional fee(s) during the pendency of this application	1812	2,520	1812	2,520	_	request for ex parte reexamination	
Charge fee(s) indicated below, except for the filling fee	1804	920*	1804	920*	Requestin Examiner	g publication of SIR prior to action	
to the above-identified deposit account.	1805	1,840*	1805	1,840*	Requestin Examiner	g publication of SIR after	
FEE CALCULATION	1251	110	2251	55		for reply within first month	
1. BASIC FILING FEE	1252	410	2252	205	Extension	for reply within second month	
Large Entity Small Entity	1253	930	2253	465	Extension	for reply within third month	
Fee Fee Fee Fee Fee Description Fee Paid Code (\$) Code (\$)	1254	1,450	2254	725	Extension	for reply within fourth month	
1001 770 2001 385 Utility filing fee 770.00	1255	1,970	2255	985	Extension	for reply within fifth month	
1002 340 2002 170 Design filing fee	1401	320	2401	160	Notice of A	Appeal	-
1003 530 2003 265 Plant filing fee	1402	320	2402	160	Filing a bri	ef in support of an appeal	
1004 770 2004 385 Reissue filing fee	1403	280	2403	140	Request fo	or oral hearing	
1005 160 2005 80 Provisional filing fee	1451	1,510	1451	1,510	Petition to	institute a public use proceeding	
SUBTOTAL (1) (\$) 770.00		110	2452	55	Petition to	revive – unavoidable	
333131AE (1) (3) 770.00	1453	1,300	2453	650	Petition to	revive - unintentional	
2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE	1501	1,300	2501	650	Utility issu	e fee (or reissue)	
Extra Fee from Claims below Fee Paid	1502	470	2502	235	Design iss	ue fee	
Total Claims 36 -20** = 16 x 18.00 = 288.00	1503	630	2503	315	Plant issue	e fee	
Independent 7 -3** = 4 x 86.00 = 344.00	1460	130	1460	130	Petitions to	the Commissioner	
Claims	1807	50	1807	50	Processing	g fee under 37 CFR 1.17(q)	
Large Entity Small Entity	1806	180	1806	180	Submissio	n of Information Disclosure Stmt	
Fee Fee Fee Fee Fee Description	8021	40	8021	40		each patent assignment per	40.00
Code (\$) Code (\$)						imes number of properties) bmission after final rejection	
1201 86 2201 43 Independent claims in excess of 3	1809	750	2809	375	(37 CFR 1		
1203 290 2203 145 Multiple dependent claim, if not paid	1810	750	2810	375		additional invention to be (37CFR 1.129(b))	
1204 86 2204 43 ** Reissue independent claims	1801	750	2801	375		or Continued Examination (RCE)	
over original patent	1802	900	1802	900	Request fo	or expedited examination	
1205 18 2205 9 ** Reissue claims in excess of 20 and over original patent					of a design	n application	
		fee (spe	• •				<u> </u>
SUBTOTAL (2) (\$) 632.00 **or number previously paid, if greater; For Reissues, see above	*Red	*Reduced by Basic Filing Fee Paid SUBTOTAL (3) (\$) 40.00					40.00
or manuel previously paid, if greater, not relissues, see above							

Registration No. (Attorney/Agent)

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